Product Name: WS 12  
CAS Number: 68489-09-8  
IUPAC Name: (1R,2S,5R)-N-(4-Methoxyphenyl)-5-methyl-2-(1-methylethyl)cyclohexanecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

- Batch Molecular Formula: \( \text{C}_{18}\text{H}_{27}\text{NO}_{2} \)
- Batch Molecular Weight: 289.41
- Physical Appearance: White fluffy solid
- Solubility: ethanol to 75 mM
- Storage: Store at -20°C

2. ANALYTICAL DATA

- TLC: \( R_f = 0.88 \) (Ethyl acetate:Petroleum ether [1:1])
- HPLC: Shows 100% purity
- \(^1\text{H} \text{NMR:}\) Consistent with structure
- Mass Spectrum: Consistent with structure
- Optical Rotation: \([\alpha]_D = -50.4\) (Concentration = 0.25, Solvent = Ethanol)
- Microanalysis:
  
<table>
<thead>
<tr>
<th>Parameter</th>
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<th>Found</th>
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</thead>
<tbody>
<tr>
<td>C</td>
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Product Name: WS 12  
Catalog No.: 3040  
Batch No.: 1

CAS Number: 68489-09-8  
IUPAC Name: (1R,2S,5R)-N-(4-Methoxyphenyl)-5-methyl-2-(1-methylethyl)cyclohexanecarboxamide

Description:
Potent TRPM8 agonist that acts as a cooling agent (EC_{50} = 193 nM).

Physical and Chemical Properties:
Batch Molecular Formula: C_{18}H_{27}NO_{2}
Batch Molecular Weight: 289.41
Physical Appearance: White fluffy solid

Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
ethanol to 75 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: